CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

Job No.: CQCE/BBMP/BDPPL/W.No.13/2017-18 Date: 25.10.2017

TEST REPORT

CLIENT	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
AGENCY	:	**M/s. Benaka Developers & Projects Private Ltd.,** Bangalore.
NAME OF THE WORK	:	Construction of Bengalore one office and tax office multipurpose building in Ward No.13 in Shettyhalli Sub Division, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	410 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/BDPPL/W.No.13/2017-18 Date : 25.10.2017

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **M/s. Benaka Developers & Projects Private Ltd.,** Bangalore.

Name of Work : Construction of Bengal ore one office and tax office multipurpose building in Ward No.13 in Shettyhalli Sub Division, BBMP, Bangalore.

Date of Testing : 25.10.2017

Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	85	8.50	8.50	91.5	90-100
2.36	138	13.80	22.30	77.7	75-100
1.18	149	14.90	37.20	62.8	55-90
600 Micron	175	17.50	54.70	45.3	35-59
300 Micron	186	18.60	73.30	26.7	8-30
150 Micron	215	21.50	94.80	5.2	0-10

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Job No.: CQCE/BBMP/BDPPL/W.No.13/2017-18 Date: 25.10.2017

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Executive Engineer**, Dasarahalli Division, BBMP, Bangalore.
Agency : **M/s. Benaka Developers & Projects Private Ltd.**, Bangalore.
Name of Work : Construction of Bengal ore one office and tax office multipurpose building in Ward No.13 in Shettyhalli Sub Division, BBMP, Bangalore.
Sample Identification : 8mm,10mm,12mm,16mm, Fe 500 TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 25.10.2017

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.39	548	557	13.5
2	Fe 500	10	0.62	556	568	14
3	Fe 500	12	0.89	569	575	15
4	Fe 500	16	1.59	575	584	16.5

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
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Job No.: CQCE/BBMP/BDPPL/W.No.13/2017-18 Date: 04.12.2017

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Dasarahalli Division, BBMP, Bangalore.
Contractor : **M/s. Benaka Developers & Projects Private Ltd.**, Bangalore.
Name of the work : Construction of Bengal ore one office and tax office multipurpose building in Ward No.13 in Shettyhalli Sub Division, BBMP, Bangalore.
Sample ID : Cement Concrete - Footing
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{20}
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.11.2017	04.12.2017	8.228	510.2	22.68
2	06.11.2017	04.12.2017	8.289	528.9	23.51
3	06.11.2017	04.12.2017	8.264	496.3	22.06

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Job No.: CQCE/BBMP/BDPPL/W.No.13/2017-18 Date: 08.12.2017

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer**, Dasarahalli Division, BBMP, Bangalore.
Contractor : **M/s. Benaka Developers & Projects Private Ltd.**, Bangalore.
Name of the work : Construction of Bengal ore one office and tax office multipurpose building in Ward No.13 in Shettyhalli Sub Division, BBMP, Bangalore.
Sample ID : Cement Concrete - Columns
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm^2
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete : M_{20}
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.11.2017	08.12.2017	8.265	530.2	23.56
2	10.11.2017	08.12.2017	8.248	505.9	22.48
3	10.11.2017	08.12.2017	8.289	498.3	22.15

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